



**Wrangle Curriculum Drivers**  
We want our children to be.....

**Knowledgeable** – Scientific knowledge is shared with the children and prioritised in the teaching of science. Scientific vocabulary, methods and processes will be introduced and used throughout teaching. We make sure children know that science has changed our lives and will impact our future. Children are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

**Curious** – children will experience and observe phenomena. Children will be encouraged to recognise patterns and ask their own questions. They will work scientifically when conducting experiments to help them understand more about a process or observation. The more they learn, the more questions they'll have!

**Aspirational** – children will be taught about scientific discoveries in the past. They will consider how these discoveries have changed the world today. Learning about significant STEM figures, will enthuse the children.

**Resilient** - children will be challenged to take on new learning, carry out experiments, make comparisons and understand that they cannot always become experts straight away

**Excited** – learning will be fun. There will be a lot of practical, hands-on learning that will involve the children actively learning and even getting messy. They will be stimulated by their discoveries and the implications of their results.

# Science at Wrangle Primary Academy



## Sequencing of Content

The Wrangle Science Progression document ensures that pre-requisite knowledge is considered and linked to new learning.

Units are sequenced so that knowledge and understanding builds on previous units.

Prior learning is referenced at the start of new units so that foundations of learning are used.

Key concepts are interleaved throughout the curriculum so that they are regularly revisited.



## Subject Intent

To gain knowledge and understanding about how science has changed our lives and understand how it is a vital part of our future.

We want them to have passion for science to understand how it impacts our own lives and the world in which we live.



## NC Aim

- Children develop scientific knowledge and conceptual understanding in biology, chemistry and physics.
- understand the nature, processes and methods of science.
- Use different types of scientific enquiry.
- Answer scientific questions.
- Understand the uses and implications of science, today and for the future.



## Assessment/Retrieval Practice

Children take part in regular retrieval practice activities.

Remembering information and knowledge is celebrated and is part of the Wrangle culture.